Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete if Known	
Application Number	10/759,519
Filing Date	January 16, 2004
First Named Inventor	Cantor et al.
Art Unit	1645
Examiner Name	To be assigned
Attorney Docket Number	701586-053651

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number - Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SK	A1	US-2002/0081598			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature	SK	Date Considered	4-4-06

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[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				*Complete if Known*	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/759,519
(use as many sheets as necessary)				Filing Date	January 16, 2004
				First Named Inventor	Cantor et al.
				Group Art Unit	1645
				Examiner Name	To be assigned
Sheet		of		Attorney Docket Number	701586-053651

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
SPK	C1	Grupe, A. et al. In silico mapping of complex disease-related traits in mice. *Science* 292, 1915-8. (2001).	
	C2	Hirschhorn, J.N., Lohmueller, K., Byrne, E. & Hirschhorn, K. A comprehensive review of genetic association studies. *Genet Med* 4, 45-61. (2002).	
	C3	Zhang, S., Pakstis, A.J., Kidd, K.K. & Zhao, H. Comparisons of two methods for haplotype reconstruction and haplotype frequency estimation from population data. *Am J Hum Genet* 69, 906-14. (2001).	
	C4	Templeton, A.R., Sing, C.F., Kessling, A. & Humphries, S. A cladistic analysis of phenotype associations with haplotypes inferred from restriction endonuclease mapping. II. The analysis of natural populations. *Genetics* 120, 1145-54. (1988).	
	C5	Kruglyak, L. Prospects for whole-genome linkage disequilibrium mapping of common disease genes. *Nat Genet* 22, 139-44. (1999).	
	C6	Judson, R., Stephens, J.C. & Windemuth, A. The predictive power of haplotypes in clinical response. *Pharmacogenomics* 1, 15-26. (2000).	
	C7	Martin, E.R. et al. Analysis of association at single nucleotide polymorphisms in he APOE region. *Genomics* 63, 7-12. (2000).	
	C8	Clark, A.G. Inference of haplotypes from PCR-amplified samples of diploid populations. *Mol Biol Evol* 7, 111-22. (1990).	
/	C9	Stephens, M., Smith, N.J. & Donnelly, P. A new statistical method for haplotype reconstruction from population data. *Am J Hum Genet* 68, 978-89. (2001).	

	C10	Ruano, G. & Kidd, K.K. Direct haplotyping of chromosomal segments from multiple heterozygotes via allele-specific PCR amplification. *Nucleic Acids Res* 17, 8392. (1989).	
	C11	Ruano, G., Kidd, K.K. & Stephens, J.C. Haplotype of multiple polymorphisms resolved by enzymatic amplification of single DNA molecules. *Proc Natl Acad Sci U S A* 87, 6296-300. (1990).	
	C12	Douglas, J.A., Boehnke, M., Gillanders, E., Trent, J.M. & Gruber, S.B. Experimentally-derived haplotypes substantially increase the efficiency of linkage disequilibrium studies. *Nat Genet* 28, 361-4. (2001).	
	C13	Stephens, J.C., Rogers, J. & Ruano, G. Theoretical underpinning of the single-molecule-dilution (SMD) method of direct haplotype resolution. *Am J Hum Genet* 46, 1149-55. (1990).	
	C14	Daly, M.J., Rioux, J.D., Schaffner, S.F., Hudson, T.J. & Lander, E.S. High-resolution haplotype structure in the human genome. *Nat Genet* 29, 229-32. (2001).	
	C15	Gabriel, S.B. et al. The structure of haplotype blocks in the human genome. *Science* 296, 2225-9. (2002).	
	C16	Shields and Harris (2000) J. Clin. Onc. 18:2309-2316.	
	C17	Evans and Relling (1999) Science 286:487-491	
	C18	Collins et al. (1997) Science 278, 1580-81	
	C19	Drysdale et al. (2000) Proc. Natl. Acad. Sci. 97:10483-8; Krynetski and Evans (1998) Am. J. Hum. Gen. 63:11-16).	
	C 20	Orita et al. (1989) Proc. Natl. Acad. Sci. USA 86:2766-2770	
	C21	Prior et al. (1995) Hum. Mutat. 5:263-268	
	C22	Nickerson et al. (1990) Proc. Natl. Acad. Sci. USA 87:8923-892	

SYK	C23	Conner et al. (1983) Proc. Natl. Acad. Sci. USA 80:278-282	
	C24	~~Ruano et al. (1990) Proc. Natl. Acad. Sci. USA 87:6296-6300~~ CH	
	C25	Michalatos-Beloin et al. (1996) Nucleic Acids Res. 24:4841-4843	
	C26	Ruano and Kidd (1991) Nucleic Acids Res. 19:6877-6882	
	C27	Cheng, et al. (1994) Proc. Natl. Acad. Sci. USA 91:5695-5699 ✓	
	C28	Papadopoulos et al. (1995) Nature Genet. 11:99-102	
/	C29	Woolley et al. (2000) Nature Biotech. 18:760-763	

Examiner Signature		Date Considered	3-15-06

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FORM PTO-1449	DOCKET NO.: 701586-053651	SERIAL NO.: 10/759,519
INFORMATION DISCLOSURE STATEMENT	APPLICANT(S): Charles R. Cantor and Chunming Ding	
	FILING DATE: January 16, 2004	GROUP NO.: 1645

UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

STK	C1	Barnes (1994) Proc. Natl. Acad. Sci. USA 91:2216-2220
	C2	Clark, A.G. Inference of haplotypes from PCR-amplified samples of diploid populations. Mol Biol Evol 7, 111-22. (1990).
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	C12	Hodge et al. (1999) Nature Genet. 21:360-361
	C13	Judson, R., Stephens, J.C. & Windemuth, A. The predictive power of haplotypes in clinical response. Pharmacogenomics 1, 15-26. (2000).

		Kruglyak, L. Prospects for whole-genome linkage disequilibrium mapping of common disease genes. Nat Genet 22, 139-44. (1999).
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	C18	Nickerson et al. (1990) Proc. Natl. Acad. Sci. USA 87:8923-8927
	C19	Orita et al. (1989) Proc. Natl. Acad. Sci. USA 86:2766-2770
	C20	Papadopoulos et al. (1995) Nature Genet. 11:99-102
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